

Surface Chemistry of Emulsion Polymerization, by K
Kanamaru.

Kogyo Kagaku Zasshi
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LVIII, No 11, pp 820-824, 1955.

NRC-C2249

Sci - Chem
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Dissociation Equilibria of Chromium
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JAPANESE, par, Journal of the Chemical
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AEC T-5348

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Synthesis from Benzene Under Added Pressure
Yoshinobu Hosaka, Masahiko Takahisa, 10 pp

JAPANESE, per, Kogyo Kagaku Zasshi, Vol 58, No 12, 1955, pp 1001-1004.

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Sci - Chem

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USIB INTERNAL USE ONLY

Emulsification of Furfuryl Alcohol-water-acid
Catalyst System, by A. Taurus and C. Nakano,
17 pp.

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1955, pp 1008-1012.

1911017763

ALC-111-Tr-67-102

Sci-Chem
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Visco-Elastic Behaviour of Creases in
Cellulose Fibres, by K. Murakami.

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CSIRO 3789

Sci - Chem

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N. Takatomi.

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NTC 69-15415-07A

Sci-Chem
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Molecular Degree of Orientation- and Degree of
Crystallization Changes in Polyvinyl Alcohol
Fibers by Wet-Heat Treatment, by Yasuji
Kobayashi, Saburo Okajima, 12 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LIX,
No 1, 1956, pp 87-89.

SLA 60-18995)

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Study of Cyanic Acid Synthesis by Fixed Catalytic Method,
by M. Otake, M. Nakagawa, et al.
JAPANESE, per. Kogyo Kagaku Zasshi, Vol LIX,
No 1, 1956, pp 121-124.
NASA TT F-8494

Sci - Chem

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U. S. GOVERNMENT ONLY

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Study of Cyanic Acid Synthesis in a Fluidized-Bed
Reactor, by M. Otake, M. Nakagawa, et al.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LIX,
No 2, 1956, pp 151-154.
NASA TT F-2495

Sci - Chem

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U. S. GOVERNMENT ONLY

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Measurement of Rate of Polymerization
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by H. Miyama.

JAPANESE, per, Chemical Society of Japan
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The Study of Sultone, by K. Furukawa,
I. Tamai.

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No 221-224, 1956.
TC-889

Sci-Chem

Aug 66

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b Different Problems Que Posent Les Reactions des
Poudres, by Sakichi Goto, 9 p.

~~FRANCE~~, par, Kogyo Kagaku Zasshi, 1956, No 3,
pp 281-288. Vol LIX

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Sci
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Electrodeposition of Metallic Titanium in Fused
Sodium and Potassium Chlorides, Using Titanium
Dichloride, by H. Tademura, et al.

Acg40
JAPANESE, per, Journal Chem Society of Japan,
Ind Section, Vol LIX, 1996, pp 356, 357.

Brutcher No 3832

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Sci - ~~Mineralogy~~ Chemistry
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CTS TT-62-25111

Thermal Decomposition of Acrylonitrile-
Vinylidene Chloride Co-Polymers, by
Hideo Nagao, Sakariya Uchida, Teruo Yamaguchi,
24pp
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1956, pp 468-470
SLA TT-64-30813

Sci - Chem
June 67

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Corrosion of Metals by Aqueous Solutions of
Non-Ionic Surface Active Agents, by Yoichi
Kato, Shigeo Sato, 5 pp.

Kogyo Kagaku Zasshi,
JAPANESE, par., Vol LIX, 1956, pp 503-505.

CIA/FDD X-2751

Sci - Chem
Apr 58

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Form of Combination in Copolymerization of Vinyl
Chloride and Acrylic Esters, by Y. ~~Kim~~ Kubouchi, H.
Matsuo.

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ASLIB-GB39

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Freezing of Gelatinous Precipitates. II. Properties of Alumina Obtained by Means of Freezing Method and note on the Interfering Action of Sulphate Ion for the Catalytic Dehydration Reaction, by Seichiro Hikime.

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Absorption of MMA Monomer in the Polymerization of
Acrylonitrile, by Hideo Nagao, Moriya Hattori,
Teruo Yamaguchi, 12 pp.

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1956, pp 695-698.

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Sci - Chem
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Vol 2, No 4

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Thermal Decomposition of Polyacrylonitrile
(Production of Hydrocyanic Acid), by Hideo
Nagao, Moriyo Uehida, Koyu Yamaguchi,
8 pp.

JAPANESE, per, Kogyo Kagaku Zasshi,
Vol XLIX, No 5, 1956, pp 698-700.

SLA 60-18460

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Ito, Heihachiro, Sekiguchi, Ichiro, and Negishi,
Michiharu.
[RESEARCHES] ON POLYVINYL CYANOETHYL
ETHER. III. ON THE TRANSITION TEMPERATURE
OF POLYVINYL ALCOHOL AND POLYVINYL
CYANOETHYL ETHER. [1962] 14p. 24 refs.
Order from SLA \$1.39 62-14973

I. Ito, H.
II. Sekiguchi, I.
III. Negishi, M.
IV. Title: Transition...

Trans. of Kogyo Kagaku Zasshi (Japan) 1956, v. 59,
no. 7, p. 834-857

DESCRIPTORS: *Polymers, Copolymerization,
*Vinyl radicals, *Cyano radicals, *Ethyl ethers,
*Vinyl alcohol, Synthesis, *Transition temperature,
Temperature, Melting, Density, Alcohols.

Measurement of secondary transition point and coef-
ficient of cubic expansion by the dilatometer, of the
melting point by the standard method, and of the
specific gravity by the sink and float method were com-
(Chemistry--Organic, TT, v. 8, no. 6) (over)

Author: Ito, Heihachiro, Sekiguchi, Ichiro, and Negishi, Michiharu

Mastication of Polyvinyl Chloride, by
T. Otsu and K. Ishimoto.

Japanese Magazine
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Kitte, H., Aikawa, T. and Sugahara, G.
DÉCOMPOSITION DES SELS D'AMMONIUM DES ACIDES TRICARBOXYLIQUES (RAYONS) (Decomposition Properties of Ammonium Salts of Tricarboxylic Acids). *Repts.* 15, *Japan. J. Appl. Chem.* 1960.

Order Form E-6, OCTOBER 1985 \$0.50 TT-62-28045

Tracy, J. *Journal of Japan-Korea Zenshi* (Japan), 1956, 3, 59, p. 1047-1050.

DESCRIPTION: Fatty acids, Salts, Ammonium salts, Soaps, Anides, Nitriles, Stearic acids, Stability, Decomposition.

NY-62-28045

- I. *reptans* H.
- II. *Asperula* L.
- III. *Scilla maritima* L.
- IV. *Scilla maritima* L.
- V. *Scilla maritima* L.

(Chen et al., 2002; Chen et al., 2003; Chen et al., 2005)

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.
 2. *Journal of the American Medical Association*, 1997; 277: 1037-1040.

Mukoyama, Sadataka and Yamada, Koichi.
CHANGE OF MOLECULAR SIZE DISTRIBUTION
DURING AGING OF ALKALI CELLULOSE OF VARIOUS PULPS. Rept. no. 2 of Studies on the Uniformity
of Pulp and Rayon Samples. [1961] [13]p. 7 refs.
Order from SIA \$1.60 61-16575

Trans. of Kogyo Kagaku Zasshi (Japan) 1956, v. 59,
no. 9, p. 1072-1074.

DESCRIPTORS: *Cellulose, Aging, *Wood pulp, Rayon
fibers, Polymerization.

In the case of viscose method rayon, the degree of
polymerization distribution of the rayon is influenced
by the degree of polymerization distribution of the raw
material pulp, and rayon with a uniform distribution is
obtained from pulp whose degree of polymerization is
uniform. Degree of polymerization distribution changes
during aging of alkali cellulose were measured using
three types of samples: linter, and wood pulps for tire
(Materials--Textiles, TT, v. 6, no. 7) (over)

61-16575

- I. Title: Molecular size
distribution.
- I. Mukoyama, S.
- II. Yamada, K.
- III. Title: Studies .

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Electrochemical Properties of the Positive
Plate of the Lead Storage Battery, by Shigeo
Fukura, Eizo Kato, Tsuneichiro Yamano, 9 pp.

JAPANESE, Per, Kogyo Kagaku Zasshi, 1956,
Vol LIX, No 10, pp 1104-1106.

SLA 59-15241

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Vol. 2, No 3

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Komori, Saburo; Arasugi, Ei and others.
PROPERTIES OF NORMAL ALKYL VINYL ETHER
AND POLYMERIZATION. [1963] 15p.
Order from K-H \$15.00

K-H 12427 b

Trans. of Kogyo Kagaku Zasshi (Japan) 1956, v. 59,
p. 1132-1134.

DESCRIPTORS: Ethene, *Vinyl radicals, *Alkyl
radicals, Polymerization.

[Chemistry--Organic, TT. v. 10, no. 1)

62-17282

- I. Komori, S.
- II. Arasugi, Ei
- III. K-H-12427-b
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

By-products Obtained in the Liquid Phase Air-
Oxidation of P-xylylene and Their Effects on the Auto-
oxidation, by K. Ogata, H. Itagaki, G. Yamashita,
18 pp.

JAPANESE, per, ~~J. Chem. Soc. Japan~~, Vol LIX, No. 10,
Oct 1956, pp 1156-1160.

SLA Tr 57-1994

Sci

Jun 58

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Fukuawa, Sadaomi.

PREPARATION OF METHYL PHENYL SILANE DIOL.
[1962] 16p.

Order from K-H \$20.00

K-H 5866 I

Trans. of Kogyo Kagaku Zasshi (Japan) 1956, v. 59,
p. 1206-1209.

DESCRIPTORS: Synthesis, *Methyl radicals, *Phenyl
radicals, *Silanes.

63-12949

- I. Fukuawa, S.
- II. K-H-5866-I
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Chemistry--Organic, TT, v. 9, no. 10)

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Study of Alumina as a Raw Material for
Synthetic Gems (Process of Thermal
decomposition of Alum), by Shinzo Ikada,
Kenshin Kuwashima, 18 pp.
CHINESE, Per, Kogyo Kagaku Zasshi,
Vol LIX, No 11, 1956, pp 1301-1304.
PS22094867
AFCON. Ham-66-74 (J)

Sci - Material
Apr 67

52-1031

Synthesis of Nickel Oxide Single Crystal by
the Verneuil Method, by J. Nakamura.

CHINESE, per Kogyo Kagaku Zasshi, 1955,

Vol 59, No 11, pp 1304-1308.

MLL 7773.75 1963 (63-3) (on loan)

Aug 65

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63-17012

LIQUID PHASE OXIDATION BY OXYGEN OF PHENYL
CYCLOHEXANE AND DECOMPOSITION OF
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Order from K-H \$20.00 K-H 11949a

I. K-H-11949a
II. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Trans. of Kogyo Kagaku Zasshi (Japan) [1957] v. 60,
no. 3, p. 268-272.

DESCRIPTORS: *Hydroxides, *Cyclohexanes, *Phenyl
radicals, Decomposition, Oxygen, *Oxidation, Liquids,
Phase studies.

(Chemistry--Organic, IT, v. 9, no. 10)

Office of Technical Services

Studies on the Chlorination of Titanium Compounds,
by Yuzo Saeki and Koemon Funaki.

JAPANESE, per, Kogyo Kagaku Zasshi, 1957, vol. 60,
no. 4, pp. 403-407.

SA C43

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Catalytic Effect of Tertiary Amines in Esterifi-
cations Accelerated by Removal of Sodium Chloride.
by Y. Yamauchi, T. Shimamura.

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No 4, 1957, pp 423-426.

ATIS 77-1037

Sci - Chem

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CIP/EVW XI-950
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Electrokinetic Potential of Fibers Subjected
to Metal-Wiring Treatment, by R. Furukawa,
S. Ota,

Kogyo Kagaku Zasshi

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Sect, Vol IX, No 5, 1957, pp 611-615.

AMS JJ-2225

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Sci - Chem

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The Mechanism of the Radiochemical Reaction, by K. Hiroda, 9 pp.

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Graft Copolymerization of Acrylic Compounds
Initiated by Radiation, by Hiroshi Saito
Yoshihisa Yabuma, 18 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol. 60
No 7, 1957, pp 840-843.

SLA 59-15101

Sci
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Nagai, S., Kanazawa, T., and Kato, G.
PREPARATION OF FRUITED FERTILIZERS CON-
TAINING SOME TRACE ELEMENTS. [1962] [22]p.
(foreign text included) 18 refs.
Order from SLA \$2.50 62-10937

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Trans. of Kogyo Kagaku Zasshi (Japan) 1957, v. 60, no. 9, p. 965-972.

DESCRIPTORS: *Slags, *Fertilizers, Solubility, Hydrochloric acid, Manganese, Zinc, Glass, *Fused materials, Preparation.

(Chemistry, IT, v. 9, no. 3)

62-10937

- I. Nagai, S.
- II. Kanazawa, T.
- III. Kato, G.

34. *Chrysomelidae*

Furukawa, Junji, Chuteau, Akira, and Tsuruta,
Teiji.
NEW SYNTHETIC METHOD OF N-VINYL SULFONIC
AMIDE. Speech at the Japan Chemical Society Lecture
Meeting (no. 9) 3 Apr 56. (1961) 5p.
Order from SL/A \$1.10

62-10378

Trans. of [Kogyo Kagaku Zasshi] (Japan) 1956. v. 59.
p. 1230.

DESCRIPTORS: *Sulfonamides, Amides, *Vinyl
radicals, Synthesis, Toluenes, Methyl radicals, Alkyl
radicals, Butyl radicals, Ethers, Chemical reactions,
*Toluene sulfonamide

A new method is given for synthesizing of n-vinyl sul-
fonic amide, utilizing the reaction between n-alkyl
sulfonic amide and vinyl ether.

(Chemistry--Organic, TT, v. 7, no. 8)

62-10378

I Furukawa
II
III Tsuruta
IV Title Japan

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Hara, H.
MESURE DE LA VITESSE D'OXYDATION CATALY-
TIQUE DE SO₂ (Measurement of Catalytic Oxidation
Rate of Sulfur Dioxide). 10p 5 refs
Order from QIS, ETC or CNRS \$0.80 62-26969

Trans. in French of Kogyo Kagaku Zasshi (Japan) 1957,
v. 60, no. 10, p. 1254-1257.

DESCRIPTORS: *Sulfur compounds, *Dioxides,
Catalysis, *Oxidation, Chemical reactions, Vanadium
compounds, Oxides, Measurement, Reaction kinetics.

(Chemistry--Physical, TT, v. 10, no. 10)

62-26969

I. Hara, H.
II. Centre National de la
Recherche Scientifique

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Ito, Y., Masuda, E., and Kobayashi, E.
MANUFACTURE OF AMMONIUM SULFATE BY THE
GAS PHASE REACTION OF AMMONIA, SULFUR
TRIOXIDE AND WATER. [1961] 6p.
Order from ATS \$10.30

ATS-45N54J

Trans. of Kogyo Kagaku Zasshi (Japan) 1957, v. 60,
no. 10, p. 1260-1262.

DESCRIPTORS: *Ammonium radicals, *Sulfates,
Synthesis, *Ammonia, *Sulfur compounds, Oxides,
Water.

(Chemistry--Physical, TT, v. 7, no. 2)

61-25453

- I. Ito, Y.
- II. Masuda, E.
- III. Kobayashi, E.
- IV. ATS-45N54J
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Moriyama, T. and Utsunomiya, T.
CONCENTRATION CHANGES IN AQUEOUS SOLUTIONS OF GYPSUM CAUSED BY THE FORMATION AND GROWTH OF CRYSTAL NUCLEI. [1963] 8p.
Order from ATS \$12.50

ATS-64Q69J

Trans. of Kogyo Kagaku Zasshi (Japan) 1957, v. 60, no. 10, p. 1268-1271.

DESCRIPTORS: *Nuclei, Crystal growth, Crystal structure. *Gypsum, Solutions.

(Physics--Solid State, TT, v. 10, no. 6)

63-17752

- I. Moriyama, T.
- II. Utsunomiya, T.
- III. ATS-64Q69J
- IV. Associated Technical Service, Inc.,
East Orange, N. J.

ATS 77-17752

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Isoelectric Points and Some Properties of Ampholytic
Surface Active Agents, By Seizburo Sakakibara
and Naoji Kurata.

JAPANESE, per, Kogyo Kagaku Zasshi, 1957, vol. 60
no. 10, pp. 1294-1299.

SA 644

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Sobud, Hiroshi.

THE MECHANISM OF THE HEATING TRANSFORMATION OF POLYVINYL CHLORIDE BY INFRARED ABSORPTION SPECTRUM. [1964] 11p
Order from K-H \$6.60

K-H-12245-a

Trans. of Kogyo Kagaku Zasshi (Japan) 1958, v. 61, p. 106-109.

(Materials--Plastics, TT, v. 12, no. 1)

TT-64-12934

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- II. K-H-12245-a
- III. Kresge-Hooker Science Library Associates, Detroit, Mich.

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Pyridine-Extracts of Coals and Carbonized Coals,
by G. Takeya, et al.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXI,
1958, pp 206-212.

NCB A.1855
R.1823

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List No 41

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Manami, Hisashi and Nishizaki, Shunichiro.
 PREPARATION OF ORGANOSILICON ISOCYANATES
 Rept. no. 1 of Studies on Organosilicon Isocyanates:
 [Paper read] at the Annual Conference of Chemical
 Society of Japan (no. 8) Apr 55. [1961] 14p. 7 refs.
 Order from SLA ml\$2.40, ph\$3.30 61-10597

Trans. of Kogyo Kagaku Zasshi (Japan) 1958, v. 61,
 no. 2, p. 214-217.

Organosilicon isocyanates, such as $(CH_3)_2Si(NCO)_2$,
 $(CH_3)(C_6H_5)Si(NCO)_2$, $(CH_3)_3Si(NCO)$,
 $(C_6H_5)_2Si(NCO)_2$, and $(CH_3)_2SiCl(NCO)$, were synthe-
 sized from the corresponding chlorosilanes and
 $AgNCO$, $Pb(NCO)_2$ and $CO(NH_2)_2$ (pressurizing
 method), and their physical constants were measured.
 From methyl chloropolysiloxanes of the type,
 $Cl[(CH_3)_2SiO]_nSi(CH_3)_2Cl$, we derived diisocyanates
 of the type, $(NCO)[(CH_3)_2SiO]_nSi(CH_3)_2(NCO)$, by a
 similar method. Of these, $n = 1, 2, 3$ were new com-
 pounds. In similar manner, reactions were conducted
 (Chemistry--Organic, TT, v. 5, no. 12) (over)

61-10597

1. Cyanates--Synthesis
2. Silicon compounds (Or-
ganic)--Synthesis
- I. Manami, H.
- II. Nishizaki, S.
- III. Title: Studies ...
- IV. Title: Annual ...

148582

Office of Technical Services

Mechanism of Emulsion Polymerization of
Vinyl Acetate, by Seizo Oosawa, Takuhiko
Motoyama, 13 pp.

JAPANESE, par, Kogyo Kagaku Zasshi, Vol LXI,
No 3, 1958, pp 384-387.

SLA 60-18157

194,306

Sci
May 62

Vol 4, No 10

Elasticizing Properties of Triethylene Glycol
Diesters Compared with Dicarboxylic Acid Esters,
by Yoshio Ishii and Masao Takenouchi.

JAPANESE, per, Kogyo Kagaku Zasshi, 1958, vol. 61,
no. 4, pp. 434-436.

SA 04 5

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306,634

Polymerization of Vinyl Monomers With Alfin Catalysts,
by Minoru Imoto, Masayoshi Kinoshita, 11 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXI, No 4,
1958, pp 452-454.

SLA 59-10493

Sci - Chem
Sep 59
Vol 2, No 1

97, 271

Effects of Added Reagents on the Aqueous Polymeri-
zation of Acrylonitrile. Study With An Electron
Microscope, by H. Nagao, M. Uchida.

JAPANESE, per, J Chem Soc Japan, Ind Chem Sect,
Vol LXXI, No 4, 1958, pp 466-469.

Assoc Tech Serv JJ-1464
" " " 59024J

Sci - Chem

Apr 59

85,599

The Viscosity of Formic Acid Solutions of
Polyaminotriazole, by T. Imoto, K. Bando.

JAPANESE, per, J Chem Soc, Ind Chem Sect,
Vol LXI, No 5, 1958, pp 598-600.

Assoc Tech Serv JJ-1454
" " " 38024J

Sci - Chem

Apr 59

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Metal Oxide Catalysts for the Synthesis of
Vinyl Acetate, by S. Miyazawa.

JAPANESE, per, J Chem Soc Japan, Ind Chem
Sect, Vol LXXI, No 5, 1958, pp 614-619.

Assoc Tech Serv JJ-1463
" " " 45K24J

Sci - Chem

Apr 59

85,598

Measurements for Porosity and Degree of
Sintering of Cement-Clinkers by γ -Ray-
and Ultrasonic Wave Absorption, by Motoo Hori,
Shinichi Hayakawa, et al, 23 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXI, No 12,
1958, pp 638-641.

SLA 59-10516

Sci
Dec 59
Vol 2, No 4

102,695

Reactivity of Organometallic Compounds in
Polymerization Reaction--Consideration Based
Upon the Periodic Table, by Junji Furukawa,
Teiji Tsuruta, et al, 25 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol LXI,
No 6, 1958, pp 723-728.

SLA 59-15496

Sci

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Vol 2, No 4

102,729

Vinyl Polymerization by Organoboron Compounds --
Cocatalytic Action of Oxygen and Oxygen Compounds, by
Junji Furukawa, Teiji Tsuruta, et al, 28 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, Vol. LXI, No 6,
1958, pp 728-734.

SLA 59-15495

Sci - Chemistry
Nov 59

103,279

16 416

Fr-1

FURUKAVA, TSUMBA, YAMAMOTO

Co-polymérisation of N-vinyl-N-methyl-P-toluene-sulfonamide

Co-polymérisation du N-vinyle-N-méthyle-P-toluène-sulfonamide

Kogyo Kagaku Zasshi, 61, 734-736 (1958)

CEA-tr-X-292 - French

E u r a t o m

Electrochemistry of the Ion Exchange Resins.
Properties and Applications of Ion Exchange
Membranes, by T. Yamataya, 12 pp.

JAPANESE, per, Kogyo Kagaku Zasshi, 1958,
Vol LXI, No 7, pp 769-774.

ATB-10129J

Sci - Chem
OTB I, 12
Jul 59

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Oxidative Dimerization of Some Arylalkyl
Compounds, by Y. Odaira, S. Tsutsumi, 8 pp.

JAPANESE, paper, Kogyo Kagaku Zasshi, Vol
LXI, No 7, 1958, pp 862-865.

Assoc Tech Serv
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Sci - Chem
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OSR, V. I, No 6

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Low Temperature Photopolymerization of
Vinyl Chloride Using Uranyl Nitrate,
by H. Watanabe et al.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 61,
1958, pp 893-897.
NASA TT F-9748

U. S. GOVERNMENT USE ONLY
Sci-Chem
Apr 66

298,787

Title Unknown, by M. Natanabe, Y. A. ~~Confidential~~
JAPANESE, per, Kogyo Kagaku Zasshi,
Vol LXXI, 1958, pp 588-597.
*NASA TT N-5747

Sci-Fisc
Oct 65

Low Temperature Photopolymerization of
Vinyl Chloride Using Metallic Salt,
by H. Watanabe, Y. Anagi.
JAPANESE, per, Kogyo Kagaku Zasshi, Vol 61,
1958, pp 888-892.
NASA TT F-9747

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pp 918-922, 9230406.
AEC IS-trans-20

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Hideoaki Tagawa, Fumiaki Sudo, 15 pp.

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SIA 59-10513

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SLA 59-10514

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SLA 59-15500

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102, 728

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Alkali-Oxygen Oxidation of Bituminous Coal, by
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SLA 52-15109

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DECOMPOSITION DE L'HYDROPEROXYDE D' α -PIN-
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Conditions). 26p (foreign text included) 14 refs.
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Trans. in French of Kogyo Kagaku Zasshi (Japan) 1958,
v. 61, p. 1220-1224.

DESCRIPTORS: *Terpenes, Hydrogen compounds,
*Peroxides, Decomposition, Catalysts.

- I. Title: Pinene
- I. Salto
- II. Mitsui
- III. Centre National de la
Recherche Scientifique

(Chemistry--Organic, TT, v. 16, no. 10)

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COMPARISON OF THE FINE STRUCTURE OF
RAPID- AND SLOW-DRIED RAYONS. [1961] 15p.

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Order from SLA \$1.60

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Trans. of [Kogyo Kagaku Zasshi] (Japan) 1958, v. 61,
p. 1295-1298.

DESCRIPTORS: *Rayon fibers, Processing, Textiles,
Synthetic fibers, Microstructure

In order to clarify the relation between the initial
drying conditions of rayon (which had not been subjected
to drying after spinning) and the accessibility to deu-
terium we measured three different samples of rayon
which were dried under different conditions. The degree
of polymerization and iodine adsorption were measured
using rayon decorticated with nitric acid, and then the
distribution of the radial direction was determined in
order to study the effect of drying on the formation of
(Materials--Textiles, TT, v. 6, no. 6) (over)

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I. Okajima, S.
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176584

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Production of Allyl Nitriles by ...
of Chlorine, by Nobuo Kominami, ...
23 p.

JAPANESE, par, Nobuo Kominami ...
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SLA 57-17

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Order from K-H \$28.75

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Trans. of Kogyo Kagaku Zasshi (Japan) 1958, v. 61,
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DESCRIPTORS: *Polymerization, Vinyl chlorides,
*Catalysis, *Metalorganic compounds, *Polyvinyl
chloride.

(Materials--Plastics, TT, v. 9, no. 10)

65-12948

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- II. Tsuruta, T.
- III. K-H-11796-a
- IV. Kresge-Hooker Science
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No 11, 1958, pp 1430-1435.

SLA 59-15498

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SLA 59-15497

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ALCOHOL AND THE PROPERTIES THEREOF. [1963]
14p.

Order from: ATS \$18.95

ATS-64Q67]

Trans. of Kogyo Kagaku Zasshi (Japan) 1958, v. 61,
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DESCRIPTORS: Synthesis (Chemistry), *Thiols,
Polymers, *Polyvinyl alcohol.

(Chemistry--Organic, TT, v. 10, no. 2)

63-17330

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Order from RES \$20.00 RES rept. 61117

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DESCRIPTORS: *Polymerization, Vinyl radicals *Poly-
mers, Physical properties, Propyl radicals, Butyl
radicals, *Ethers, Alkyl radicals.

(Chemistry--Organic, TT, v. 6, no. 5)

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III. Yamamoto
IV. Title: Isobutyl...
V. RES-61117
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Oka,

Kogyo Kagaku Zasshi

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Vol LXI, No 1, 1959, pp 13-16.

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Trans. of [Kogyo Kagaku Zasshi] (Japan) 1959 [v. 62,
no. 1] p. 59-63.

DESCRIPTORS: *Magnesium, *Phosphates, *Fertilizers,
Sulfuric acid, Sulfates, Calcium, Chemical reactions,
Tests.

By adding $MgSO_4$ alone to phosphate rock before calci-
nation, an incompletely defluorinated product of low
citric solubility is obtained. If H_2SO_4 alone is added to
the calcining charge a large excess is required to bring
about complete decomposition of the phosphate rock
because of the tendency of H_2SO_4 to escape before heat-
stable compounds are formed. Even if the rock is
decomposed the product tends to be high in calcium
(Engineering-Chemical, TT, v. 10, no. 4)

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1959, pp 79-82.
BISI 8017

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 [Pt.] 3 of Studies on Non-Ionic Surface Activating
 Agents. [1963] 16 p. 5 refs.
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Trans. of Kogyo Kagaku Zasshi (Japan) 1959, v. 62,
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DESCRIPTORS: "Surface active substances, "Propanols,
 Ethyl radicals, Synthesis (Chemistry), "Propenes,
 Oxides, "Epoxides, Addition reactions, Alcohols,
 Catalysts, Solvent compounds, Alkoxy radicals,
 Reaction kinetics.

In order to quantitatively measure the rate of step-
 wise addition of oxylene compounds to compounds with
 active hydrogen, the reaction velocity for the first and
 (Chemistry--Physical, TT, v. 10, no. 11) (over)

63-18285

1. Title: 1-(2-Ethyl hexoxy)-
2-propanol
2. Title: Propylene oxide
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- III. Ito, S.
- IV. Title: Studies ...

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Huang, C. -Y.
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Trans. of Kogyo Kagaku Zasshi (Japan) 1959, v. 62,
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DESCRIPTORS: *Xylenes, *Formaldehydes, Resins,
*Plastics, Separation, Chemical reactions.

(Materials--Plastics, TT, v. 9, no. 5)

63-12468

- I. Huang, C. -Y.
- II. ATS-91P64]
- III. Associated Technical
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Order from ATS \$8.85

ATS-07Q74]

Trans. of Kogyo Kagaku Zasshi (Japan) 1959, v. 62,
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DESCRIPTORS: *Phenols, *Formaldehyde, *Xylenes,
Chemical reactions.

(Chemistry--Organic, TT, v. 11, no. 10)

TT-64-12424

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Formation of Magnesium Hydroxide and Its
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HTC 69-15413-07A

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SLA 60-10446

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